

FIG. 1A - PRIOR ART

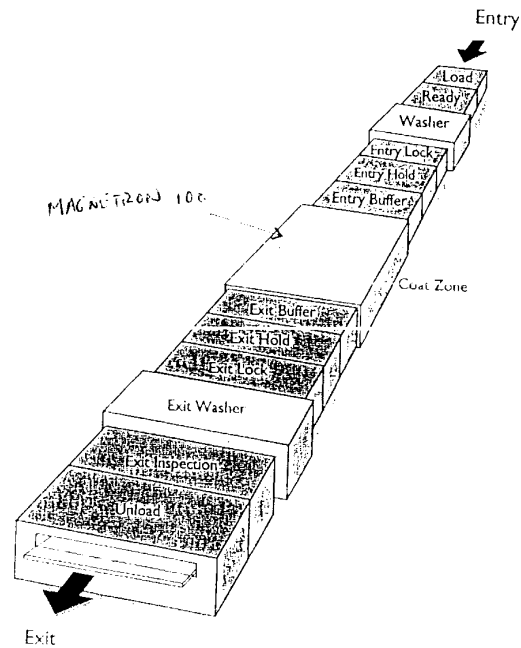


FIG 16 - PERS. VIEW

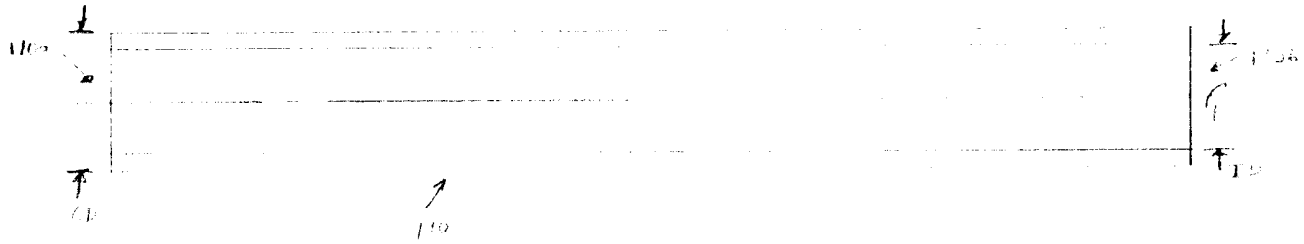


FIG 2A

← 114 → 112 SIMILAR

FIG 2B

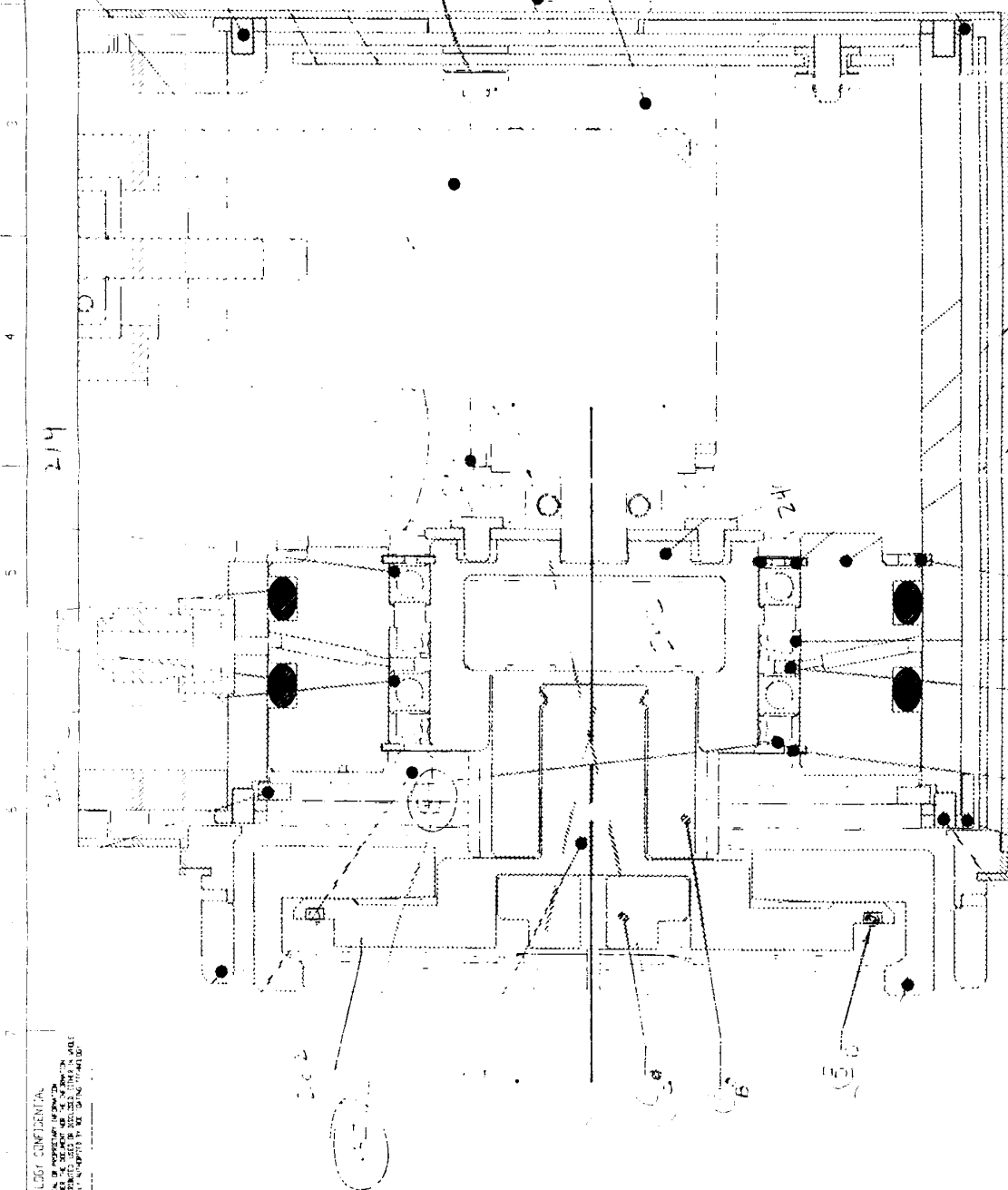
1 114 112 WORKING

FIG 2C

1 114 112 WORKING

FIG 2D

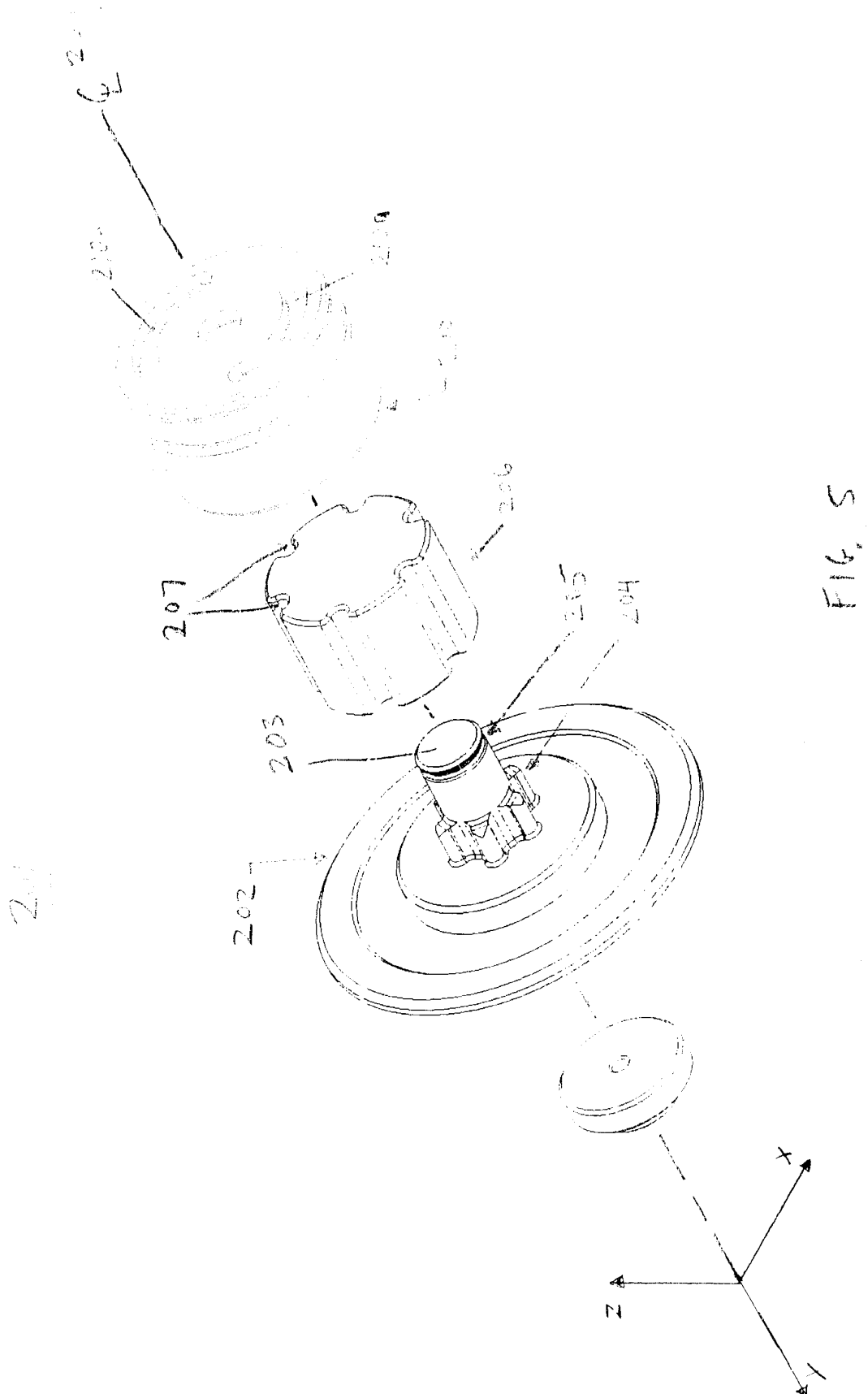
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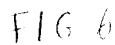


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DETAIL 2
 SCALE 2:1

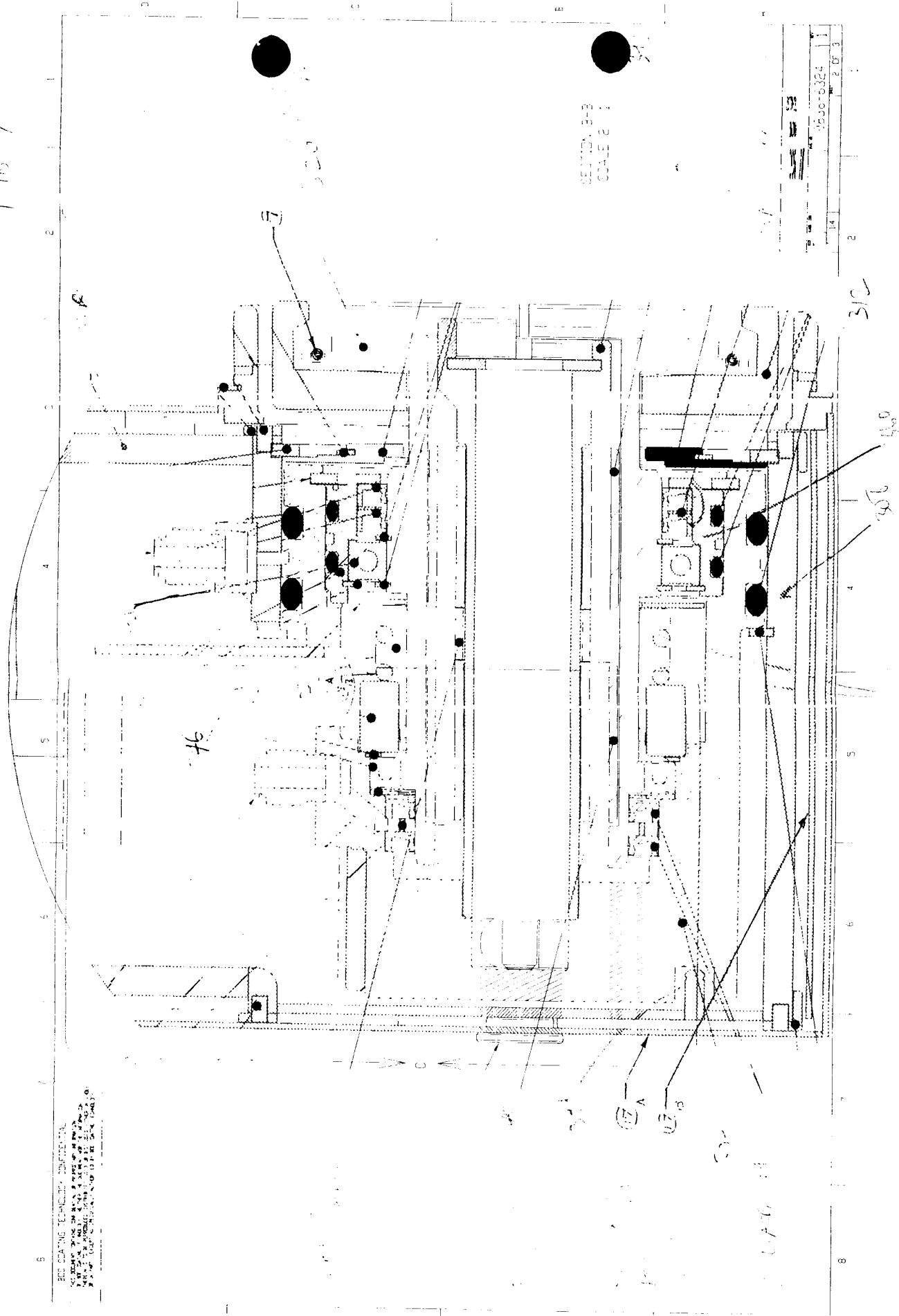
0835-63-1
 2 OF 2

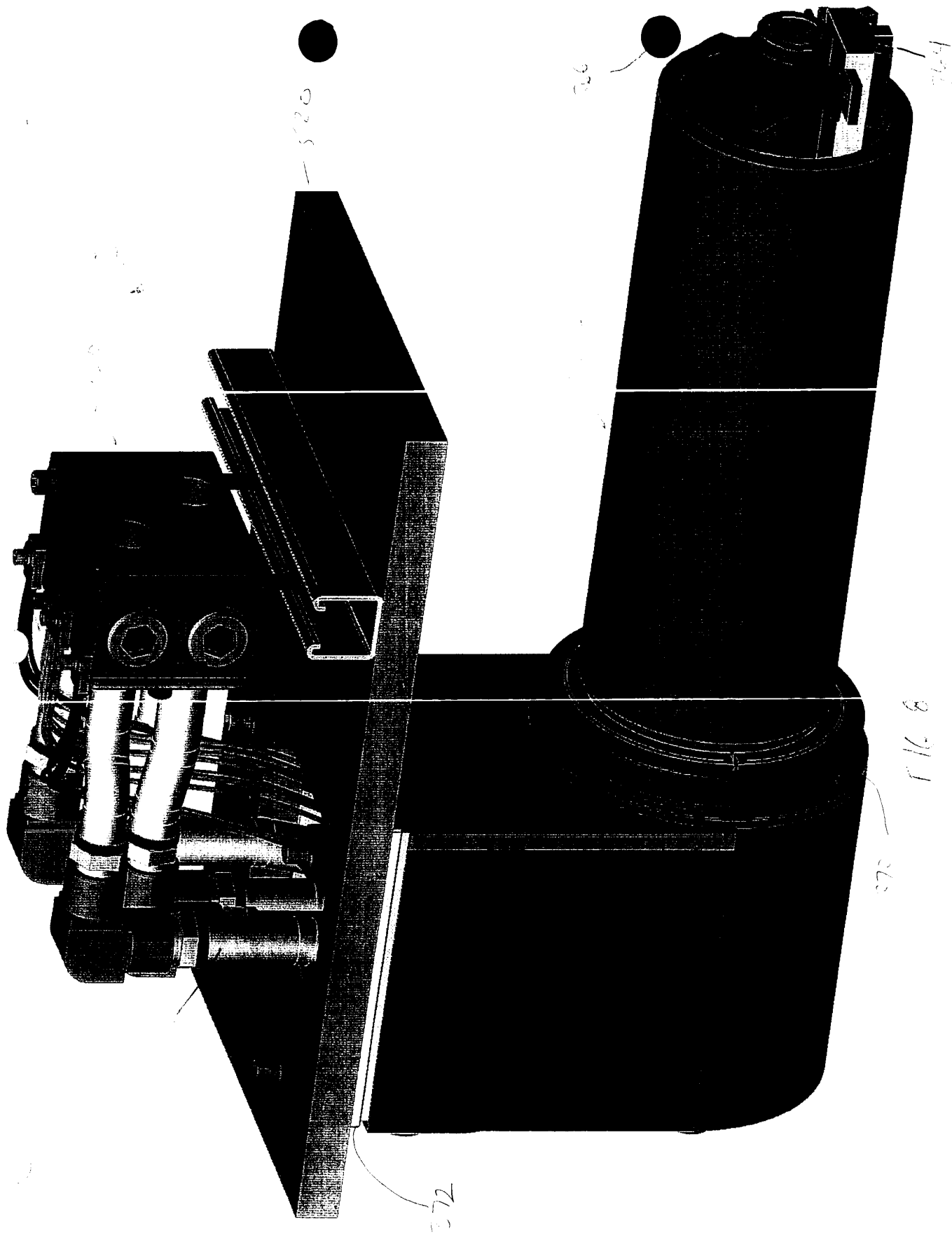




Inverse: Pencil Point
 Left: Along and Above Mainline Drive
 To: Second bridge south of the station
 Note: to the Avenue - 100 ft. S

7-10-1960 00000003 0000000000





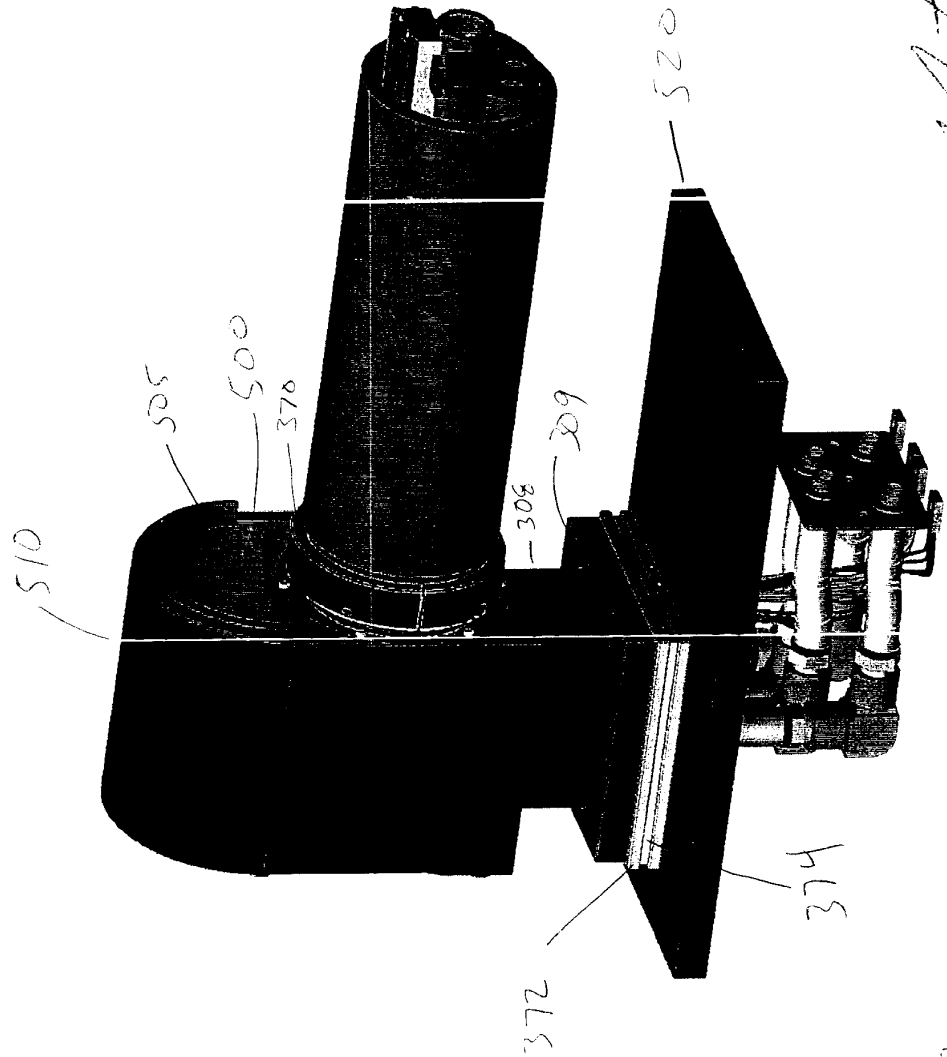
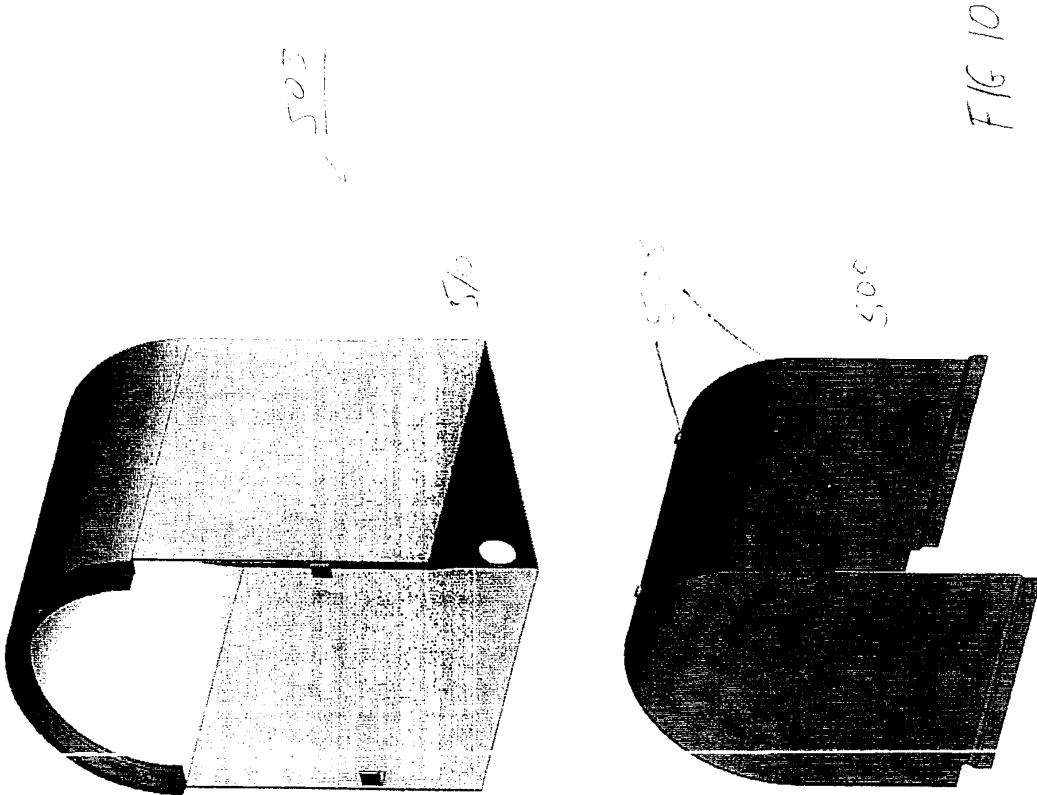
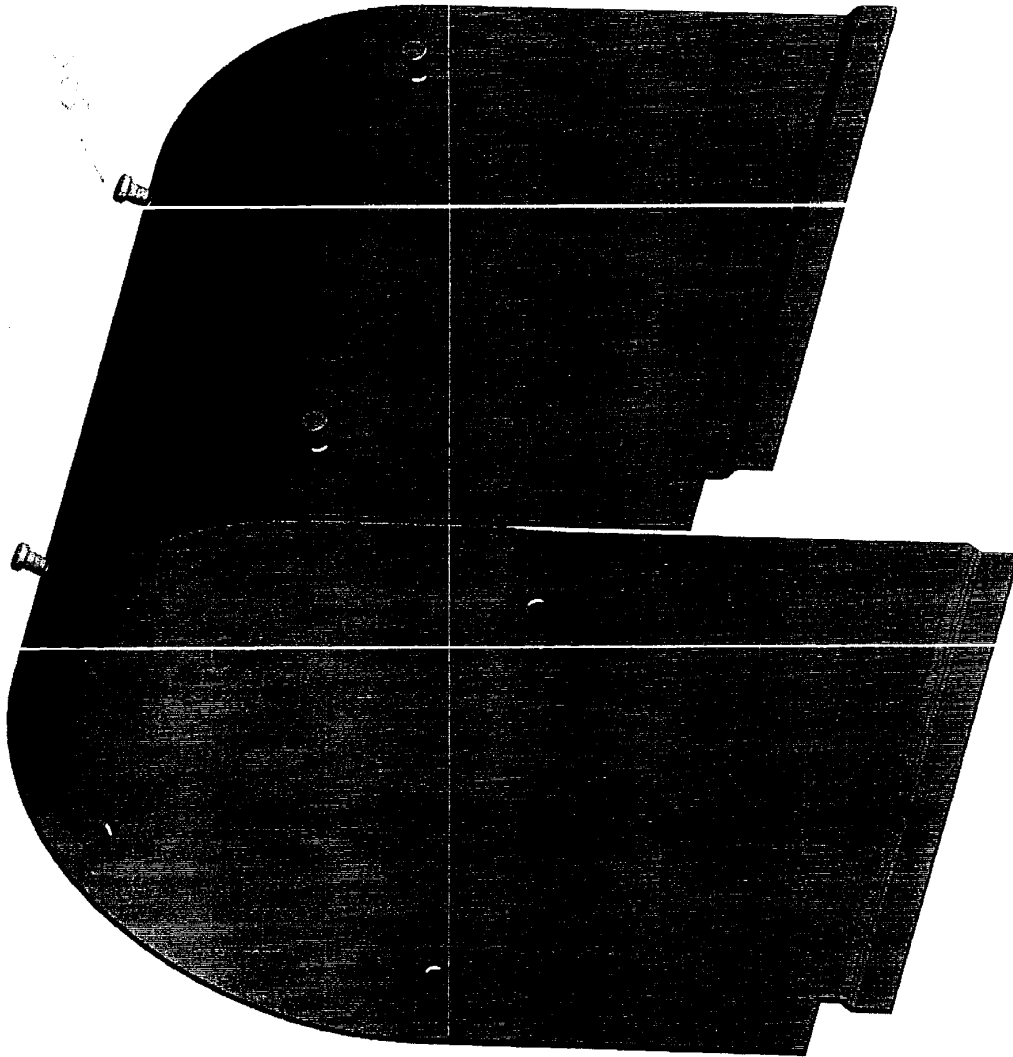


FIG. 9

14th 41-B



12th Rev 11/2



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M-12044

REPORT HEAT SHED Figure

The diagram illustrates a three-layer heat shield system with the following components and processes:

- Regions:**
 - ① VACUUM:** The outermost region on the left.
 - OUTER HEAT SHIELD:** The first layer of the shield.
 - ② VACUUM:** The middle region between the layers.
 - INNER HEAT SHIELD:** The second layer of the shield.
 - ③ ATMOSPHERE:** The region on the right, showing **CONVECTION** and **FORCED AIR FLOW** indicated by an upward arrow.
- Heat Transfer Mechanisms:**
 - Reflection:** Indicated by dashed arrows pointing away from the shield surfaces.
 - Radiation:** Indicated by wavy arrows representing thermal radiation between surfaces.
 - Absorption & Conduction:** Indicated by wavy arrows pointing into the shield layers, representing heat being absorbed and then conducted through the material.
- Annotations:**
 - 508** is written vertically on the far left.
 - 505** is written vertically between the first and second shield layers.
 - 510** is written vertically on the far right.
 - 90°** is marked at the interface between the outer and inner shields.

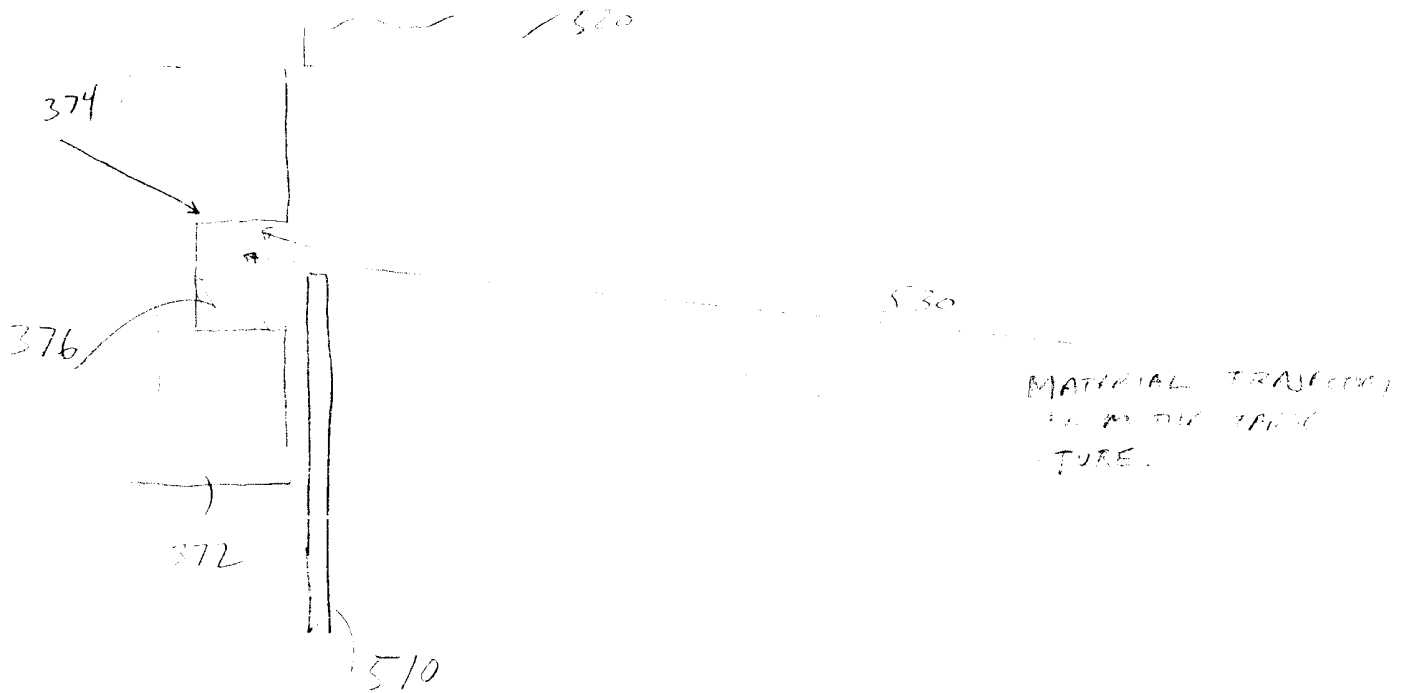


FIG 13